

7

Substitute for form 1449A/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Sheet 1 of 3

Sheet 1 of 3 Attorney Docket Number P04666US7

* Incorrect
Patent
No.

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner
Signature

J. Sardha

Date
Considered

11/21/02

***EXAMINER:** Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3

Application Number	continuation of 09/092,160
Filing Date	
First Named Inventor	Daniel J. Cosgrove
Group Art Unit	1652
Examiner Name	Saidha, T.
Attorney Docket Number	P04666US7

PRO

S

06/29/01



OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JP0	1	Bayer, E.A., et al., Current Opinion in Structural-Biology 8:548-557 (1998)	
	2	Broadwater, et al., "Zea m _l , the maize homolog of the allergen-encoding <i>Lol pl</i> gene of rye grass", Gene. 131:227-230 (1993)	
	3	Cleland, R.E., Planta 170:379-385 (1987)	
	4	Cosgrove, D.J. et al. "Group I allergens of grass pollen as cell wall-loosening agents", Proc. Natl. Acad. Sci. USA 94:6559-6564 (1997)	
	5	Cosgrove, et al., "Role of expansin in cell enlargement of oat coleoptiles", Plant Physiol. 103:1321-1328 (1993)	
	6	Cosgrove, "Characterization of long-term extension of isolated cell walls from growing cucumber hypocotyls", Planta vol. 177:121-130 (1989)	
	7	Crowell, "Cytokinin regulation of a soybean pollen allergen gene", Plant Mol. Bio. 25:829-835 (1994)	
	8	Deutscher, M.P., Academic Press 1990, Guide to Protein Purification, pp. 174-193	
	9	Esch, et al., "Identification and Localization of Allergenic Determinants on Grsss Group I Antigens Using Monoclonal Antibodies", J. Imm. 142(1):179-184 (1989)	
	10	Fry, Stephen C., Current Biology 4(9):815-817 (1994)	
	11	Fry, Stephen C., Physiologia Plantarium, 75:532-536 (1989)	
	12	Griffith, et al., "Cloning and sequencing of <i>Lol pl</i> , the major allergenic protein of rye-grass pollen", FEBS 09407, vol 279(2):210-215 (1991)	
	13	Heslop-Harrison, et al., "The pollen-stigma interaction in the grasses", Acta Bot. Neerl. 34(2):193-211 (1985)	
	14	Heslop-Harrison, et al., "The pollen-stigma interaction in the grasses", Acta Bot. Neerl. 33(1):81-99 (1984)	
	15	Knox, et al., "Environmental and molecular biology of pollen allergens", Trends in Plant Science, Vol 1(5) 156-164 (1996)	
	16	Knox, et al., "Pollen allergens: development and function", Sex Plant Report 9:318-323 (1996)	
	17	Li, Z-C et al., Planta 191:349-356 (1993)	
	18	McQueen-Mason et al., "Disruption of hydrogen bonding between plant cell wall polymers by proteins that induce wall extension", Proc. Natl. Acad. Sci. USA, 9:6574-6578 (1994)	
	19	McQueen-Mason et al., "Expansin Mode of Action on Cell Walls", Plant Physiol. 107:87-100 (1995)	
	20	McQueen-Mason et al., Planta 190:327-331 (1993)	
	21	McQueen-Mason et al., "Two endogenous proteins that induce cell wall extension in plants", The Plant Cell 4:1425-1433 (1992)	
	22	Merriam-Webster's Collegiate Dictionary, tenth ed., pp. 1236, 1027	
	23	Nishitani, K. and Tominaga R., J. Biol. Chem 267(29):21058-21064 (1992)	
	24	Patel, Praful, in "Biotechnology Applications and Research", eds., Cheremisinoff, P.N. and Ouellette, R.P. pp. 534-562, Technomic Publishing Company, Inc., Lancaster, PA, (1985)	
JP6	25	Perez, et al., "cDNA cloning and immunological characterization of the rye grass allergen <i>Lol p I</i> ", J. of Biol. Chem., vol 265(27):16210-16215 (1990)	

T. Saidha

11/21/02

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

3

of

3

Application Number	continuation of 09/092,160
Filing Date	
First Named Inventor	Daniel J. Cosgrove
Group Art Unit	1652
Examiner Name	Saidha, T.
Attorney Docket Number	P04666US7

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS (CONTINUED)

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
3/8	26	Padlan, "Immunoglobulin fold", Encyclopedia of Immunology, Academic Press, Harcourt Brace Jovavovich, Publishers, pp. 827-833	
	27	Scopes, R.K., Chapter 3, Protein Purification, Principles and Practice, 2 nd Ed., pp. 41-54, Springer-Verlag, New York (1987)	
	28	Shcherban, T.Y. et al., "Molecular cloning and sequence analysis of expansins -- a highly conserved, multigene family of proteins that mediate cell wall extension in plants", Proc. Natl. Acad. Sci USA 92:9245-9249 (1995)	
	29	Sinnott, Botany Principles and Problems, 2 nd Ed., fifth impression, McGraw-Hill Book Co., Inc., New York and London 1929, p. 417 "The Spermatophyta".	
	30	Smith, et al., "Molecular Characterization of Group I Allergens of Grass Pollen, Pollen Biot. Chapter 7, pp: 124-143	
	31	Staff, et al., "Cellular Localization of Water Soluble, Allergenic Proteins in Rye-Grass (Lolium perenne) Pollen using monoclonal and Specific IgE antibodies with immunogold probes", Histochemical J., Vol. 22:276-290 (1990)	
	32	Taiz, L. Proc. Natl. Acad. Sci. USA 91:7387-7389 (1994)	
	33	Taiz, L., Ann. Rev. Plant Physiol. 35:585-657 (1984)	
3/6	34	Wu, et al., "Growth maintenance of the maize primary root at low water potentials involves increases in cell-wall extension properties, expansin activity, and wall susceptibility to expansins", Plant Physiol. 111:765-772 (1996)	

Examiner
Signature

T. Saidha

Date
Considered

11/21/02

*EXAMINER: Initial if reference considered whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.